The Claims:

1. (currently amended) A receiver ~~Receiver~~ for code distribution multiple access transmission and parallel multiple access interference suppression, the receiver comprising:

at least one multiple access interference suppression stage (ESli) constituted by K channels, each comprising a correlation means ~~(101, 102, 103)~~ corresponding to a particular pseudorandom sequence and interference generation ~~(111, 112, 113)~~ and suppression ~~(121, 122,123)~~ means, each stage delivering to the following stage K signals ~~(ri1, 1r2, ri3)~~ at least partly freed from multiple access interferences,

a final, decision stage (ED) constituted by K channels receiving the K signals from the K channels of the preceding suppression stage and each comprising a correlation means ~~(141, 142, 143)~~ corresponding to one of the pseudorandom sequences and decision means ~~(151, 152, 153)~~ delivering a data item ~~(dl, d2, d3)~~,

means ~~(131, 132, 133)~~ for producing synchronization signals able to control the interference suppression means,

means ~~(161, 162, 163)~~ for producing synchronization signals able to control the decision means ~~(151, 152, 153)~~ of the final stage (ED), said receiver being characterized in that the means for producing the synchronization signals are constituted by K means ~~(171, 172, 173)~~ solely placed in the K channels of the final stage (ED), the K synchronization signals produced by said K means controlling the K decision

means ~~(151, 152, 153)~~ of the K channels of the final stage (ED) and the interference estimation means ~~(111, 112, 113)~~ of the K channels of the at least one interference suppression stages (ESli) following appropriate time shifts ~~(181, 182, 183)~~.

2. (currently amended) Receiver according to claim 1, wherein the K synchronization signals also control the K correlation means ~~(101, 102, 103)~~.

3. (currently amended) Receiver according to claim 1, wherein the K correlation means ~~(141, 142, 143)~~ of the K channels of the final stage (ED) are constituted by K matched filters with K pseudorandom sequences and the K correlation means ~~(101, 102, 103)~~ of the K channels of each interference suppression stage ~~(ESII)~~ (ESl_i) are constituted by K sliding correlators.